TABLE 6 (continued)

Stratigraphic unit and material	Thickness (feet)	Depth (feet)
12.10.26.242 Homestake-Sapin Partners (continued)		
TRIASSIC SYSTEM (continued)		
Chinle formation (continued)		
Clay and shale, varicolored, and sandstone ...	115	835
Shale, gray and brown	5	840
Shale, purple and gray	5	845
Shale, purple, gray, and red; and red sandstone	5	850
Clay, light-red, and gray sandstone	5	855
Shale, gray, and sandstone	5	860
Shale, red and gray	20	880
Shale, gray, and sandstone	10	890
Shale, purple and gray, and sandstone	5	895
Sandstone and gray shale	5	900
Shale, purple and red, and sandstone	35	935
Shale, gray, and sandstone	25	960
Shale, gray and red, and boulders	10	970
Shale, purple, red, and gray, and sandstone ..	5	975
PERMIAN SYSTEM:		
San Andres limestone:		
Lost circulation	5	980
12.10.26.322a Homestake-New Mexico Partners		
QUATERNARY SYSTEM:		
Valley fill:		
Sand, grayish-orange, fine to coarse, rounded; chiefly frosted, quartz grains; some grayish-orange clay	10	10
Sand, grayish-orange, fine to coarse, rounded; chiefly frosted quartz	20	30
Sand, light-brown, fine to coarse, rounded; light-brown, frosted quartz	10	40
Sand, light-brown, fine to very coarse, rounded to subrounded; chiefly quartz	10	50
Sand, light-brown, fine to very coarse, 90 percent rounded to angular quartz grains; less than 10 percent light-olive-gray limestone fragments	10	60
Sand, grayish-orange, fine to very coarse, 30 percent subrounded to angular quartz; some medium to very coarse rock fragments; obsidian, and fossil fragments	10	70
Sand, grayish-orange, fine to coarse with granules, quartz 50 percent subrounded to angular quartz grains; some fossils	10	80
Sand, grayish-orange, fine to coarse with granules, 60 percent rounded to angular, frosted quartz grains; some subrounded shell fragments	10	90

TABLE 6 (continued)

Stratigraphic unit and material	Thickness (feet)	Depth (feet)
12.10.26.322a Homestake-New Mexico Partners (continued)		
QUATERNARY SYSTEM (continued)		
Valley fill (continued)		
Sand, grayish-orange-pink, fine to coarse with granules; 30 percent rounded to subangular, frosted quartz grains; some subrounded shell fragments	10	100
Sand, silty, grayish-red; sand is medium to very coarse with granules; 30 percent rounded to angular, frosted quartz	10	110
TRIASSIC SYSTEM:		
Chinle formation:		
Shale, sand, and gravel; 65 percent grayish-red shale; 20 percent fine to coarse, rounded to subangular quartz; 15 percent subrounded to angular gravel	10	120
Shale, sand, and gravel; 70 percent grayish-red shale; 15 percent medium to coarse, rounded to angular, frosted quartz; 15 percent subrounded to angular gravel	20	140
Shale, sand, and gravel; 60 percent grayish-red shale; 20 percent fine to medium, subrounded quartz, sand; 20 percent subrounded gravel	10	150
Shale, sandstone, and gravel; 60 percent grayish-red shale; light-gray, very fine-grained sandstone with subrounded, frosted quartz grains; 20 percent subrounded gravel	10	160
Sandstone, shale, and gravel; 50 percent light-gray, very fine- to fine-grained sandstone with subrounded grains; 25 percent grayish-red shale; 25 percent subrounded gravel	10	170
Shale and sandstone; 80 percent grayish-red shale; 20 percent very fine to fine and subrounded frosted quartz grains	10	180
Shale and sand; 80 percent grayish-red shale; 20 percent very fine to fine, subrounded to angular sand	20	200
Shale and sand; 90 percent grayish-red shale; 10 percent very fine, rounded to angular quartz sand grains	20	220
Shale, grayish-red	70	290
Shale, grayish-red; less than 5 percent frosted grains of very fine; subrounded, quartz sand	10	300
Shale and sandstone; 60 percent grayish-red shale; 40 percent light-gray, frosted quartz, very fine-grained sandstone with rounded to angular, frosted quartz grains	20	320

TABLE 6 (continued)

Stratigraphic unit and material	Thickness (feet)	Depth (feet)
12.10.26.322a Homestake-New Mexico Partners (continued)		
TRIASSIC SYSTEM (continued)		
Chinle formation (continued)		
Shale and sandstone; 80 percent grayish-red shale; 20 percent light-gray, very fine-grained sandstone with round to angular quartz grains	10	330
Shale, grayish-red	20	350
Shale and sandstone; 60 percent grayish-red shale; 40 percent light-gray, very fine-grained sandstone with rounded to angular, frosted quartz grains	20	370
Shale and sandstone; 80 percent grayish-red shale; 20 percent light-gray, very fine-grained quartz sandstone	40	410
Shale and sandstone; 80 percent grayish-red shale; 20 percent light-gray, very fine-grained sandstone in lenses 2 mm wide banded with shale	20	430
Shale, grayish-red	10	440
Shale and limestone; 80 percent grayish-red shale; 20 percent light-brownish-gray; medium-grained crystalline limestone	40	480
Shale, grayish-red	10	490
Shale and limestone; 90 percent grayish-red shale; 10 percent light-brownish-gray limestone	10	500
Shale, pale-red to grayish-red	20	520
Shale and limestone; 90 percent pale-red to grayish-red shale; 10 percent very light-gray, medium-grained crystalline limestone	10	530
Shale, limestone, and sandstone; 70 percent pale-red to grayish-red shale; 20 percent very light-gray, medium-grained crystalline limestone; 10 percent white, fine-grained sandstone	20	550
Shale and limestone; 90 percent grayish-red shale; 10 percent light-gray, medium-grained, crystalline limestone	10	560
Shale, grayish-red	10	570
Shale and sandstone; 90 percent grayish-red shale; 10 percent pale-greenish-yellow, very fine-grained sandstone	10	580
Shale, sandstone, and limestone; 80 percent grayish-red shale; 10 percent pale-greenish-yellow, very fine-grained sandstone; 10 percent light-gray limestone	10	590
Shale, limestone, and sandstone; 60 percent grayish-red shale; 20 percent light-gray limestone; 20 percent light-greenish-yellow, very fine sandstone	10	600

TABLE 6 (continued)

Stratigraphic unit and material	Thickness (feet)	Depth (feet)
12.10.26.322a Homestake-New Mexico Partners (continued)		
TRIASSIC SYSTEM (continued)		
Chinle formation (continued)		
Shale and limestone; 80 percent grayish-red shale; 20 percent light-gray limestone	10	610
Shale, grayish-red	20	630
Shale, grayish-red; micaceous	30	660
Shale and sandstone; 80 percent grayish-red shale; 20 percent light-greenish-yellow, sandstone, very fine grained	10	670
Shale, grayish-red	10	680
Shale and sandstone; 90 percent pale-red shale; 10 percent light-brownish-red very fine-grained sandstone with calcium carbonate cement	10	690
Shale, pale-red	20	710
Shale and sandstone; 90 percent light-gray shale; 10 percent light-gray sandstone with calcium carbonate cement	10	720
Shale, light-gray	30	750
Shale and sandstone; 70 percent pale-red shale; 30 percent light-gray, very fine-grained sandstone	10	760
Shale, pale-red; sandstone and limestone less than 5 percent	30	790
Shale and silty limestone, 60 percent pale-brown shale; 40 percent light-gray to medium-gray grading to moderate-red, silty limestone with mixed texture	10	800
PERMIAN SYSTEM:		
San Andres limestone:		
Sandstone, shale, and limestone; 70 percent very pale-orange to moderate-red, fine-to very coarse-grained and granule sandstone with subrounded to angular grains; 15 percent grayish-red shale; 15 percent light-gray to medium-gray and moderate-red limestone ...	10	810
Sandstone and limestone; 80 percent light-gray to moderate-red, very fine-to medium-grained sandstone with subrounded to angular grains; light-gray to medium-gray, medium-grained crystalline limestone	10	820
Sandstone and limestone; 90 percent moderate-red, very fine-to medium-grained sandstone with subrounded to subangular grains and calcium carbonate cement; 10 percent light-gray to medium-gray, medium-grained crystalline limestone	10	830

TABLE 6 (continued)

Stratigraphic unit and material	Thickness (feet)	Depth (feet)
12.10.26.322a Homestake-New Mexico Partners (continued)		
PERMIAN SYSTEM (continued)		
San Andres limestone (continued)		
Sandstone and limestone; 95 percent yellowish-orange to moderate-red, fine-to medium-grained sandstone with subrounded to angular grains and calcium carbonate cement; 5 percent light-gray to moderate-gray, medium-grained crystalline limestone	10	840
Sandstone, moderate-red, fine-to medium-grained, subrounded to angular with calcium carbonate cement	10	850
Sand, pale-yellowish-brown, very fine to coarse and granular, rounded to angular; 85 percent frosted quartz	20	870
12.10.27.431 W. A. Murray		
QUATERNARY SYSTEM: well 806		
Valley fill:		
Sandstone, grayish-orange, fine- to very coarse-grained, rounded to subrounded, frosted quartz 70 percent, very friable	10	10
Sandstone, grayish-orange, fine- to very coarse-grained, rounded to subrounded; frosted quartz 70 percent; subangular fragment of moderate-red vesicular lava 1 mm across; very friable	10	20
Same as above, except without lava fragments	20	40
Sand, grayish-orange, fine to coarse, rounded to angular; frosted quartz 60 percent	20	60
Sand, grayish-orange, very fine to medium, rounded to subangular; frosted quartz 60 percent	30	90
TRIASSIC SYSTEM:		
Chinle formation:		
Shale and sand; 80 percent grayish-red shale; 20 percent grayish-orange fine to coarse, subrounded to angular grains of frosted quartz sand	10	100
Shale, limestone, and sand; 90 percent grayish-red shale; 5 percent light-gray limestone; 5 percent fine to coarse, subrounded to subangular frosted quartz sand	20	120
Shale, sandstone, limestone, and sand; 80 percent grayish-purple shale; 10 percent light-gray to light-brownish-gray, very fine-grained, subrounded sandstone; 5 percent light-medium-gray limestone; 5 percent fine to medium, subrounded, frosted quartz sand	30	150